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MM 97-76
Oct 26 4 02 PM '92

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AUDIO SERVICES
DIVISION

RECEIVED

OCT 23 1992

October 23, 1992

Ms. Donna Searcy
Federal Communications Commission
1919 M Street, N.W.
Washington, DC 20554

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Re: WMUL(FM)
Huntington, WV
Application For Major Change To
Licensed Noncommercial FM
Station

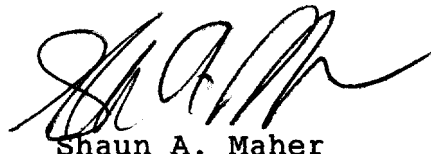
Dear Ms. Searcy:

Transmitted herewith, in triplicate, on behalf of the University of West Virginia Board of Trustees ("UWVBOT"), Licensee of WMUL(FM), Huntington, West Virginia, is an Application For Major Change To Licensed Noncommercial FM Station (FCC Form 340), filed in response to the Commission's Public Notice, Report No. A-243, released September 22, 1992. UWVBOT's application is mutually exclusive with the application of Positive Alternative Radio, Inc. for Point Pleasant, West Virginia (See File No. BPED-920327MH).

Since UWVBOT is a noncommercial, educational broadcaster, no filing fee is required.

Should there be any questions concerning this filing, please communicate directly with this office.

Very truly yours,



Shaun A. Maher

Enclosures (3)

FM EXAMINERS

OCT 21 9 32 AM '92

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MM 9776

APPLICATION FOR CONSTRUCTION PERMIT FOR
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION
(Carefully read instructions before filing form) Return only form to FCC

ORIGINAL

For Commission Use Only
File No. **BPED-921023MB**
OCT 26 4 02 PM '92
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DIVISION

Section 1 - GENERAL INFORMATION

1. Name of Applicant **University of West Virginia Board of Trustees**
RECEIVED
OCT 23 1992
Street Address or P.O. Box **FEDERAL COMMUNICATIONS COMMISSION OFFICE OF THE SECRETARY**
Marshall University
City **Huntington** State **WV** ZIP Code **25755**
Telephone No. (Include Area Code) **(304) 696-2294**

Send notices and communications to the following person at the address below:
Name **Charles Bailey (*)**
c/o Marshall University
Street Address or P.O. Box **400 Hal Greer Blvd.**
City **Huntington** State **WV** ZIP Code **25755**
Telephone No. (Include Area Code) **(304) 696-2294**

2. This application is for:

☐

AM

☒

FM

☐

TV

(a) Channel No. or Frequency

201B1

(b) Principal Community

City

Huntington

State

WV

(c) Check one of the following boxes:

☐

Application for NEW station

☒

MAJOR change in licensed facilities; call sign: **WMUL (FM) BLED-890914KA**

☐

MINOR change in licensed facilities; call sign: _____

☐

MAJOR modification of construction permit; call sign: _____

File No. of construction permit: _____

☐

MINOR modification of construction permit; call sign: _____

File No. of construction permit: _____

☐

AMENDMENT to pending application; application file number: _____

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section 1 and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application?

☐

Yes

☒

No

88.1MHZ

BPED -921023MB WMUL

HUNTINGTON WV

THE UNIV. OF W. VA BOARD OF TRUSTEES

Community of License

State

(*): cc; Shaun A. Maher, Esq.
Blair, Joyce & Silva
1825 K Street, N.W.; Suite 510
Washington, DC 20006

MLJ

MOFFET, LARSON & JOHNSON, INC.
CONSULTING TELECOMMUNICATIONS ENGINEERS

ORIGINAL

Two Skyline Place
Suite 800

ENGINEERING REPORT

5203 Leesburg Pike
Falls Church, Virginia 22041

ENGINEERING EXHIBIT
SUPPORTING THE APPLICATION
OF
WEST VIRGINIA BOARD OF TRUSTEES
TO CHANGE THE FACILITIES
OF
WMUL(FM)
AT
HUNTINGTON, WEST VIRGINIA

FM Channel : 201B1
ERP : 9.0 kW (omnidirectional)
HAAT : -12 meters

October 21, 1992

West Virginia Board of Trustees
Huntington, West Virginia

ENGINEERING STATEMENT

This Engineering Exhibit was prepared on behalf of West Virginia Board of Trustees, licensee of Educational FM station WMUL(FM), Huntington, West Virginia.

WMUL(FM) presently operates on Channel 201A employing an omnidirectional antenna system which produces 1.15 kW of ERP at -17 meters HAAT.

The purpose of this exhibit is to supply information in support of a construction permit to change to a Class B1 facility. The proposed antenna system will employed an omnidirectional antenna which produces 9.0 kw of ERP at -12 meters HAAT.

This application is considered to be mutually exclusive with an application (BPED-920327MH) filed by Positive Alternative Radio, Inc. to serve Point Pleasant, West Virginia on Channel 201A.

The exhibits referred to on Section V-B are attached as follows:

Exhibit 1	: Antenna Sketch
Exhibit 2	: Other Stations within Transmit Area
Exhibit 3-A - 3-B	: Site Maps
Exhibit 4	: Proposed Coverage Map
Exhibit 5	: Present and Proposed Coverage Map
Exhibit 6-A - 6-B	: Allocation Study
Exhibit 7-A - 7-B	: TV Channel 6
Exhibit 8	: Environment Statement
Exhibit 9	: Vertical Pattern
Table 1	: FM Stations with 10 kilometers
Table 2	: TV stations with 10 kilometers
Table 3	: Channel study of 201B1
Table 4	: Distance to proposed coverage & interference contours
Table 5	: TV Channel 6 stations within 265 kilometers

Section V-B - FM BROADCAST ENGINEERING DATA

FOR COMMISSION USE ONLY

File No. _____
 ASB Referral Date _____
 Referred by _____

Name of Applicant

West Virginia Board of Trustees

Call letters (if issued)

WMUL

Is this application being filed in response to a window? ☐ Yes ☒ No

If Yes, specify closing date: _____

Purpose of Application: (check appropriate boxes)

- | | |
|--|---|
| <input type="checkbox"/> Construct a new (main) facility | <input type="checkbox"/> Construct a new auxiliary facility |
| <input type="checkbox"/> Modify existing construction permit for main facility | <input type="checkbox"/> Modify existing construction permit for auxiliary facility |
| <input checked="" type="checkbox"/> Modify licensed main facility | <input type="checkbox"/> Modify licensed auxiliary facility |

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

- | | |
|--|--|
| <input type="checkbox"/> Antenna supporting-structure height | <input checked="" type="checkbox"/> Effective radiated power |
| <input checked="" type="checkbox"/> Antenna height above average terrain | <input type="checkbox"/> Frequency |
| <input type="checkbox"/> Antenna location | <input checked="" type="checkbox"/> Class |
| <input type="checkbox"/> Main Studio location | <input type="checkbox"/> Other (Summarize briefly) |

File Number(s) BLED - 890914KA

1. Allocation:

Channel No.	Principal community to be served:			Class (check only one box below)
	City	County	State	
201	Huntington	Cabell	WV	<input type="checkbox"/> A <input checked="" type="checkbox"/> B1 <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> C2 <input type="checkbox"/> C1 <input type="checkbox"/> C <input type="checkbox"/>

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark

Science Hall, Marshall University, Huntington, Cabell County, West Virginia

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	38°	25'	26"	Longitude	82°	25'	39"
----------	-----	-----	-----	-----------	-----	-----	-----

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? ☐ Yes ☒ No

If Yes, give call letter(s) or file number(s) or both. _____

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any. _____

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates?

☐ Yes ☒ No

If Yes, list old coordinates.

Latitude	°	'	"	Longitude	°	'	"
----------	---	---	---	-----------	---	---	---

5. Has the FAA been notified of the proposed construction?

☐ Yes ☒ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.

Date _____ Office where filed _____

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

Landing Area	Distance (km)	Bearing (degrees True)
(a) <u>Chesapeake</u>	<u>5.4</u>	<u>264.5</u>
(b) <u>Tristate Airport</u>	<u>11.9</u>	<u>236</u>

7. (a) Elevation: (to the nearest meter)

(1) of site above mean sea level; 168 meters(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 48 meters(3) of the top of supporting structure above mean sea level $[(aX1) + (aX2)]$ 216 meters

(b) Height of radiation center: (to the nearest meter) H = Horizontal; V = Vertical

(1) above ground 43 meters (H)43 meters (V)(2) above mean sea level $[(aX1) + (bX1)]$ 211 meters (H)211 meters (V)(3) above average terrain -12 meters (H)-12 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(bX3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.

1

9. Effective Radiated Power:

(a) ERP in the horizontal plane 9.0 kw (H*) 9.0 kw (V*)

(b) Is beam tilt proposed?

☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No.

_____ kw (H*) _____ kw (V*)

*Polarization

10. Is a directional antenna proposed?

☐ Yes ☒ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of horizontally and vertically polarized radiated components in terms of relative field.

Exhibit No.

11. Will the main studio be located within the 70 dBu or 3.16 mV/m contour?

☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.

12. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast *(except citizens band or amateur)* radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

☒ Yes ☐ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. *(See 47 C.F.R. Sections 73.315(b), 73.316(d) and 73.318.)*

Exhibit No.

2

13. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction D for Section V. Further, the map must clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.

3

14. Attach as an Exhibit *(have the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.

4

(a) the proposed transmitter location, and the radials along with profile graphs have been prepared;

(b) the 1 mV/m predicted contour and, for noncommercial educational applicants applying on a commercial channel, the 3.16 mV/m contour; and

(c) the legal boundaries of the principal community to be served.

15. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 984 sq. km.Population 145,622

16. Attach as an Exhibit a map *(Sectional Aeronautical charts where obtainable)* showing the present and proposed 1 mV/m (60 dbu) contours.

Exhibit No.

5

Enter the following from Exhibit above:

Gain Area 246 sq. mi.Loss Area - - sq. mi.Percent change (gain area plus loss area as percentage of present area) 184 %.

If 50% or more this constitutes a major change. Indicate in question 2(c), Section I, accordingly.

Exhibit No.

17. For an application involving an auxiliary facility only, attach as an Exhibit a map (*Sectional Aeronautical Chart or equivalent*) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license. See 47 C.F.R. Section 73.1675. (File No.: _____)

18. Terrain and coverage data (to be calculated in accordance with 47 C.F.R. Section 73.313).

Source of terrain data: (check only one box below)

☒ Linearly interpolated 30-second database

☐ 7.5 minute topographic map

(Source: NGDC (TPG-0050))

☐ Other (briefly summarize)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances to the 1 mV/m contour (kilometers)
0	-32 #	17.7
45	- 8 #	17.7
90	20 #	17.7
135	-32 #	17.7
180	-23 #	17.7
225	- 3 #	17.7
270	13 #	17.7
315	-31 #	17.7

Evaluated for a HAAT of 30.5 Meters
Allocation Studies

(See Subpart C of 47 C.F.R. Part 73)

19. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico?

☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.

Exhibit No.

20. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada?

☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.

Exhibit No.

21. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as an Exhibit a complete allocation study to establish the lack of prohibited overlap of contours with other U.S. stations. The allocation study should include the following:

Exhibit No.
6

- (a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
- (b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
- (c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
- (d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
- (e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
- (f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
- (g) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (h) The name of the map(s) used in the Exhibit(s).

22. With regard to any stations separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as an Exhibit information required in 1/ *(separation requirements involving intermediate frequency (i.f.) interference)*.

Exhibit No.
Table 3

23.(a) Is the proposed operation on Channel 218, 219, or 220?

☐ Yes ☒ No

(b) If the answer to (a) is yes, does the proposed operation satisfy the requirements of 47 C.F.R. Section 73.207?

☐ Yes ☐ No

(c) If the answer to (b) is yes, attach as an Exhibit information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222 and 223.

Exhibit No.

(d) If the answer to (b) is no, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.

1/ A showing that the proposed operation meets the minimum distance separation requirements. Include existing stations, proposed stations, and cities which appear in the Table of Allotments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 6)

- (e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.

- (1) Protected and interfering contours, in all directions (360), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibits(s).

24. Is the proposed station for a channel in the range from Channel 201 to 220 (88.1 through 91.9 MHz) and the proposed antenna location within the distance to an affected TV Channel 6 station(s) as defined in 47 C.F.R. Section 73.525?

☒ Yes ☐ No

If Yes, attach as an Exhibit either a TV Channel 6 agreement letter dated and signed by both parties or a map and an engineering statement with calculations demonstrating compliance with 47 C.F.R. Section 73.525 for each affected TV Channel 6 station.

Exhibit No.

7

25. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)?

☐ Yes ☒ No

If Yes, attach as an Exhibit information required in 1/. (Except for Class D (secondary) proposals.)

Exhibit No.

26. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact?

☐ Yes ☒ No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

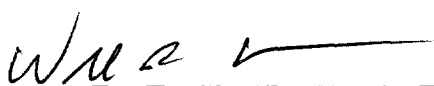
Exhibit No.

If No, explain briefly why not.

See Exhibit 8.

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed)	Relationship to Applicant (e.g., Consulting Engineer)
William A. Hamman	Consulting Engineer
Signature	Address (Include ZIP Code)
	Moffet, Larson & Johnson, Inc. 5203 Leesburg Pike, Suite 800 Falls Church, VA 22041
Date	Telephone No. (Include Area Code)
October 21, 1992	(703) 824-5660

NOTE: NOT DRAWN TO SCALE

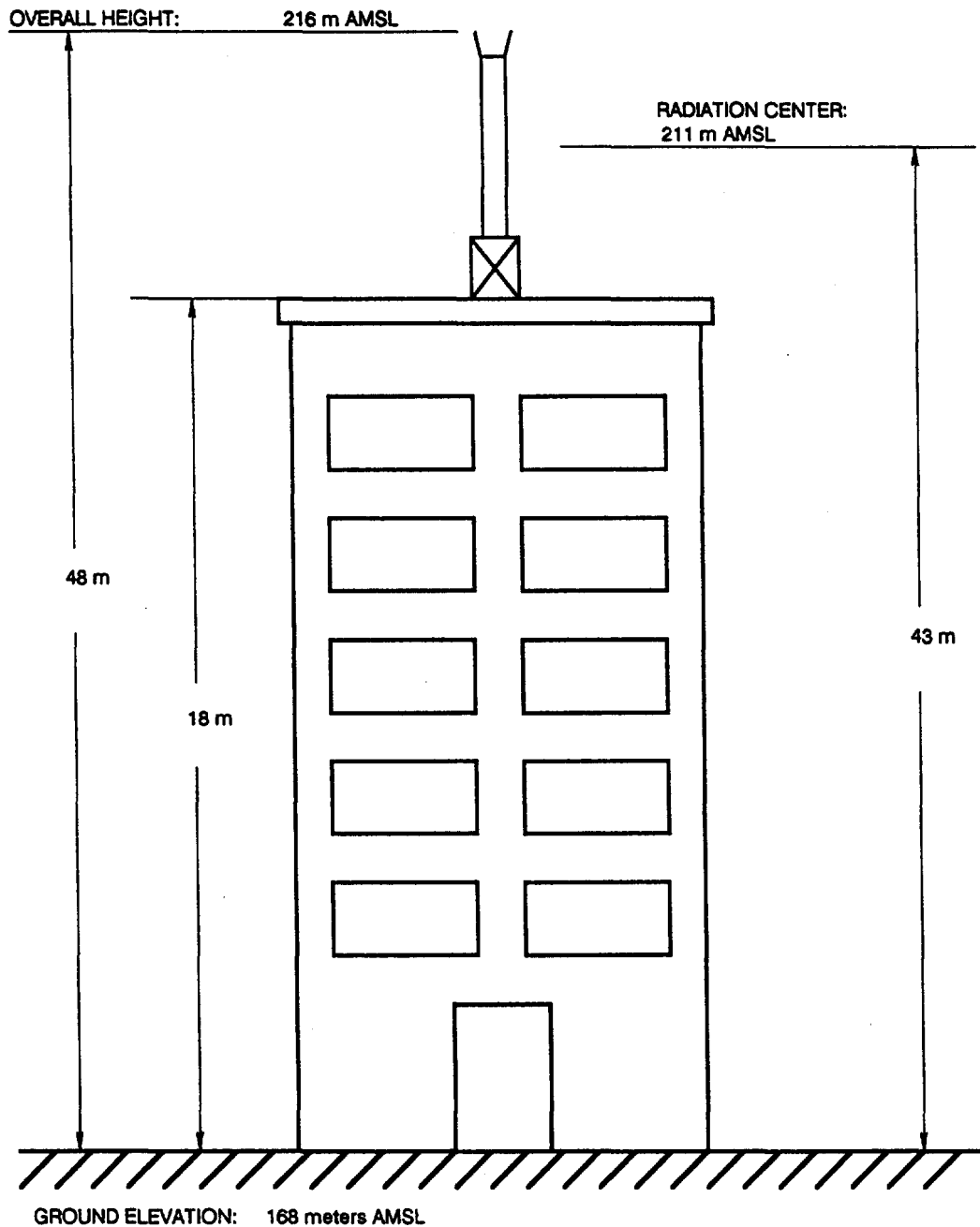


EXHIBIT NO. 1

WMUL(FM)

HUNTINGTON, WEST VIRGINIA

VERTICAL PLAN SKETCH OF PROPOSED ANTENNA AND SUPPORT STRUCTURE

OCT., 1992

MOFFET, LARSON & JOHNSON, INC.



MOFFET, LARSON & JOHNSON, INC.
CONSULTING TELECOMMUNICATIONS ENGINEERS

Two Skyline Place
Suite 800

ENGINEERING REPORT

5203 Leesburg Pike
Falls Church, Virginia 22041

West Virginia Board of Trustees
Huntington, West Virginia

EXHIBIT 2

FURTHER RESPONSE TO PART 12 OF FCC FORM 340

No known proposed or authorized FM or TV transmitters, or broadcast radio stations are within 60 meters of the proposed antenna.

Tables 1 and 2 lists all the FM and TV stations within 10 kilometers of the proposed site. Receiver induced intermod is not expected to result from the proposed transmit facility and the stations listed on Tables 1 and 2.

The applicant accepts full responsibility, as specified in 47 C.F.R. 73.318, for the elimination of any objectionable blanketing interference.

Moffet, Larson & Johnson, Inc.

TABLE 1

Date: 10/21/92

Study Name : WMUL - HUNTINGTON, WV
FM Stations within : 10 km
Coordinates : N 38 25 26.0 W 82 25 39.0

Call	Location	Status	Chan	File Number	ERP	HAAT	Zn	Latitude	Longitude	Bear	Dist	Owner/Applicant
WMUL	HUNTINGTON, WV	LIC	c *201A	BLED 890914KA	1.15	-56	1	38 25 26.0	82 25 39.0	0.00	0.00	WEST VIRGINIA BOAR
WMEJ	PROCTORVILLE, OH	LIC	*220A	BLED 860409KB	3.00	300	1	38 27 14.0	82 25 5.0	13.85	3.43	MARANATHA BROADCAST
WXVK	COAL GROVE, OH	LIC	246A	BLH 901119KD	3.00	472	1	38 25 27.0	82 32 4.0	270.22	9.34	OHIO VALLEY COMMUN
WKEEFM	HUNTINGTON, WV	LIC	263B	BLH 5460	53.0	560	1	38 23 35.0	82 28 24.0	229.37	5.27	ADVENTURE COMMUNIC
WTCRFM	HUNTINGTON, WV	LIC	277B	BLH 850627KH	50.0	491	1	38 25 11.0	82 24 6.0	101.62	2.30	ALPINE MEDIA, INC.

Moffet, Larson & Johnson, Inc.

TABLE 2

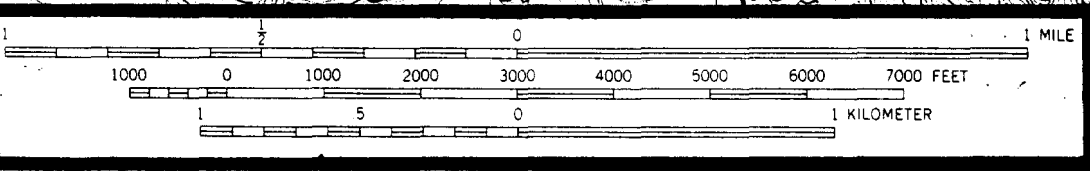
Date: 10/21/92

Study Name : WMUL - HUNTINGTON, WV

TV Stations within : 10 km

Coordinates : N 38 25 26.0 W 82 25 39.0

Call	Location	Status	Chan	File Number	ERP	HAAT Zn	Latitude	Longitude	Bear	Dist	Owner/Applicant
W14BI	HUNTINGTON, WV	CPM c	14	BMPTTL920313JD	24.5	4	38 25 16.0	82 26 4.0	242.95	0.68	CHAN. AMER. LPTV L
W17BH	HUNTINGTON, WV	LIC	17	BLTTL 911114JT	10.0	4	38 25 11.0	82 24 6.0	101.62	2.30	NORTHEAST LPTV, INC
W19BK	HUNTINGTON, WV	LIC	19	BLTT 920522IN	9.80	4	38 25 17.0	82 23 47.0	95.85	2.73	NATIONAL MINORITY
W55AT	HUNTINGTON, WV	LIC c	55	BLTT 860401IA	0.05	4	38 25 16.0	82 26 4.0	242.95	0.68	CHANNEL AMERICA
WTSF	ASHLAND, KY	LIC	61+	BLCT 830509KF	1963.	621 2	38 25 11.0	82 24 6.0	101.62	2.30	STURVAN ENTERPRISE

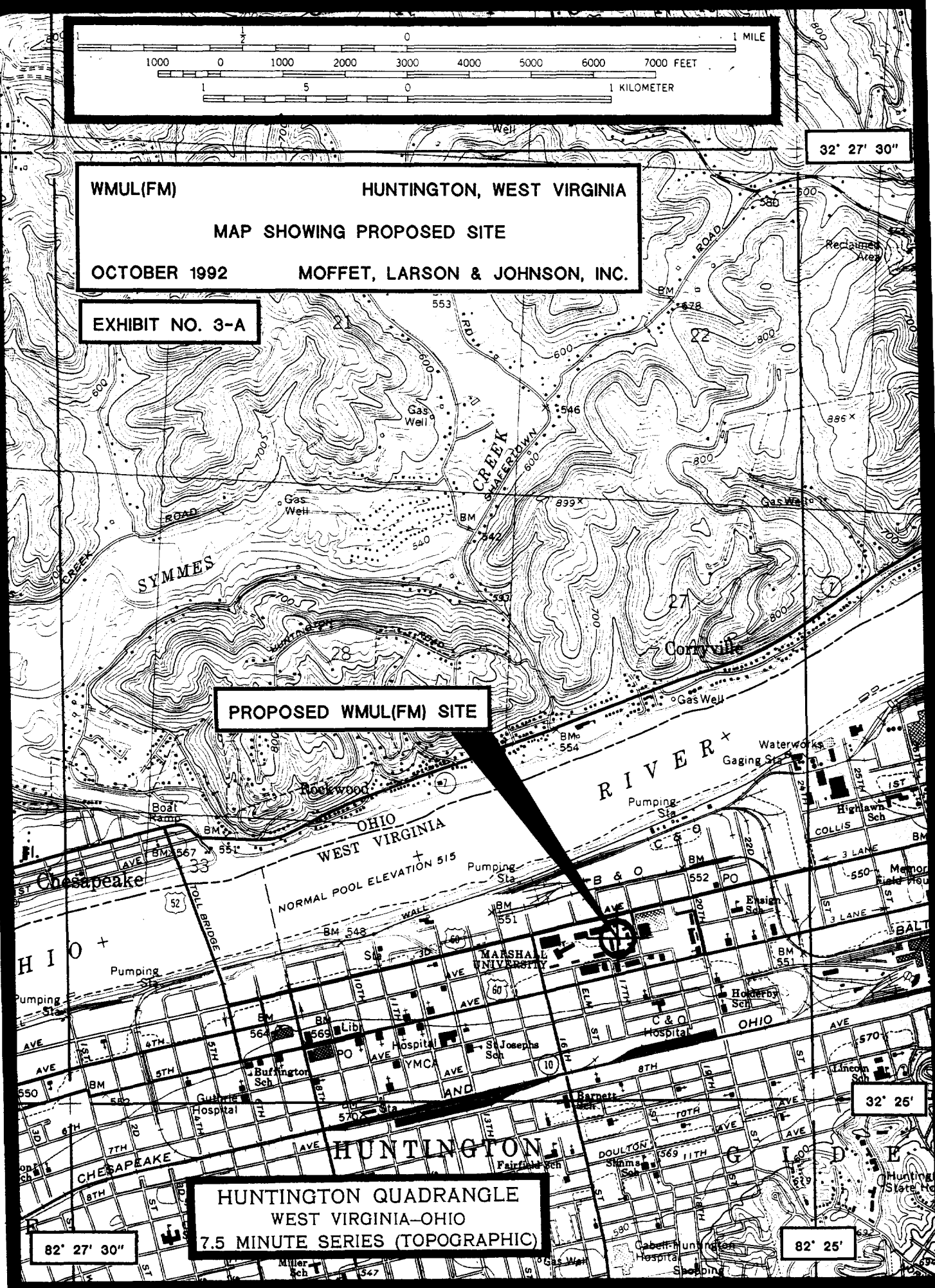


WMUL(FM) HUNTINGTON, WEST VIRGINIA
MAP SHOWING PROPOSED SITE
OCTOBER 1992 MOFFET, LARSON & JOHNSON, INC.

EXHIBIT NO. 3-A

PROPOSED WMUL(FM) SITE

HUNTINGTON QUADRANGLE
WEST VIRGINIA-OHIO
7.5 MINUTE SERIES (TOPOGRAPHIC)



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HUNTINGTON QUADRANGLE
WEST VIRGINIA-OKLAHOMA
7.5 MINUTE SERIES (TOPOGRAPHIC)



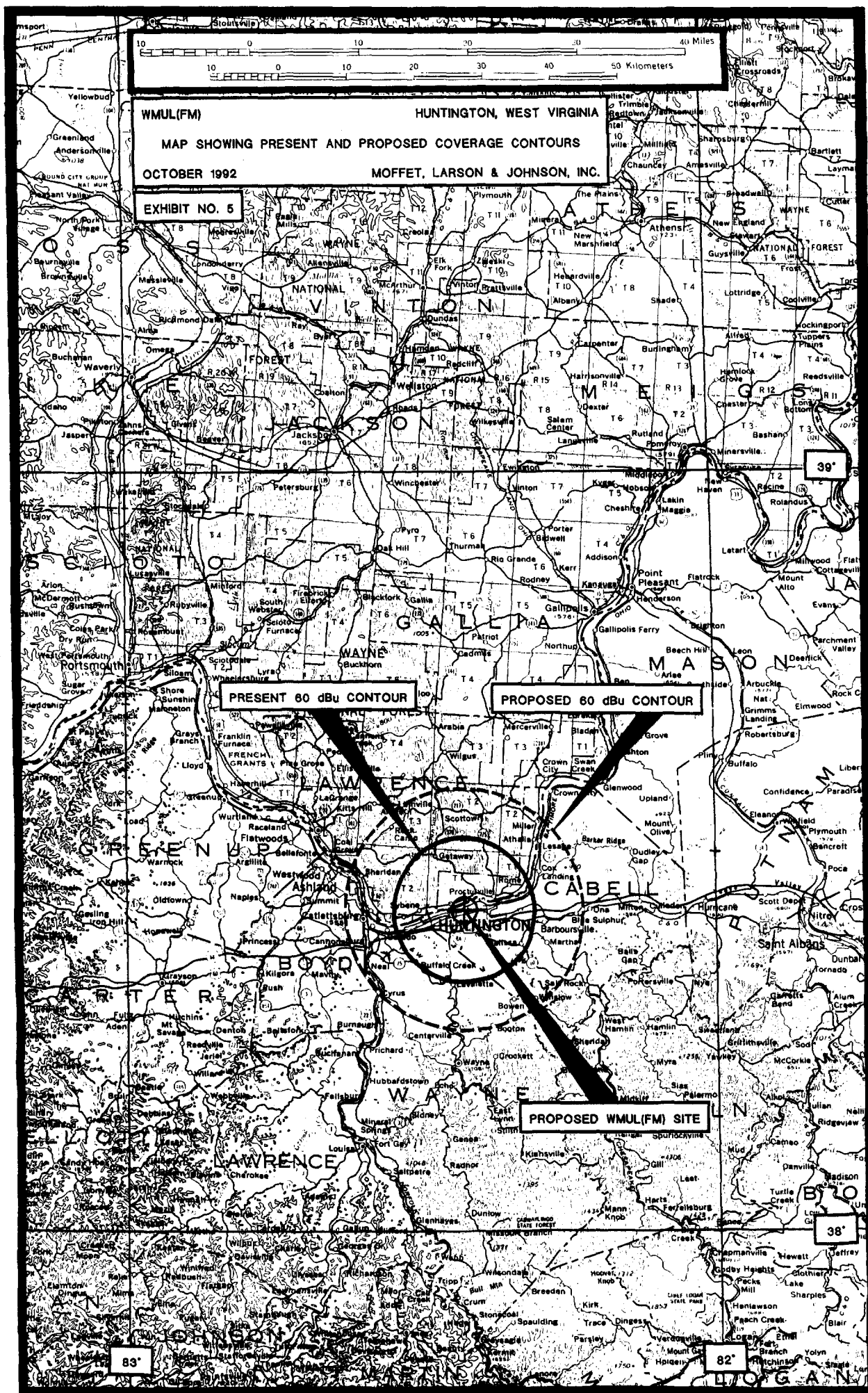
Map published and published by the Geological Survey
Revised in cooperation with State of Ohio agencies
Center by USGS, USCGS, and USGS

Topography by photogrammetric methods from aerial photographs
taken 1955. First edition 1957. Revised from aerial
photographs taken 1967. First revised 1968.

Permanent projection: 1927 North American datum
10,000-foot grid based on Ohio corner to Mason, south and
west. Original standard meridian, 84° 00' 00".
1000-meter Universal Transverse Mercator grid lines, zone 17
and 18.

The base boundary as shown represents the approximate location
of the new water line as determined from U. S. Corps of Engineers
Ohio River charts, surveyed 1914, and independent information.
Blue and white lines show in which area common boundaries are shown.
Ohio area not within Congress lands east of the State River.
Line lines based on the Ohio River base.

The difference between 1927 North American Datum and North
American Datum of 1983 (NAD 83) for 7, 8, and 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 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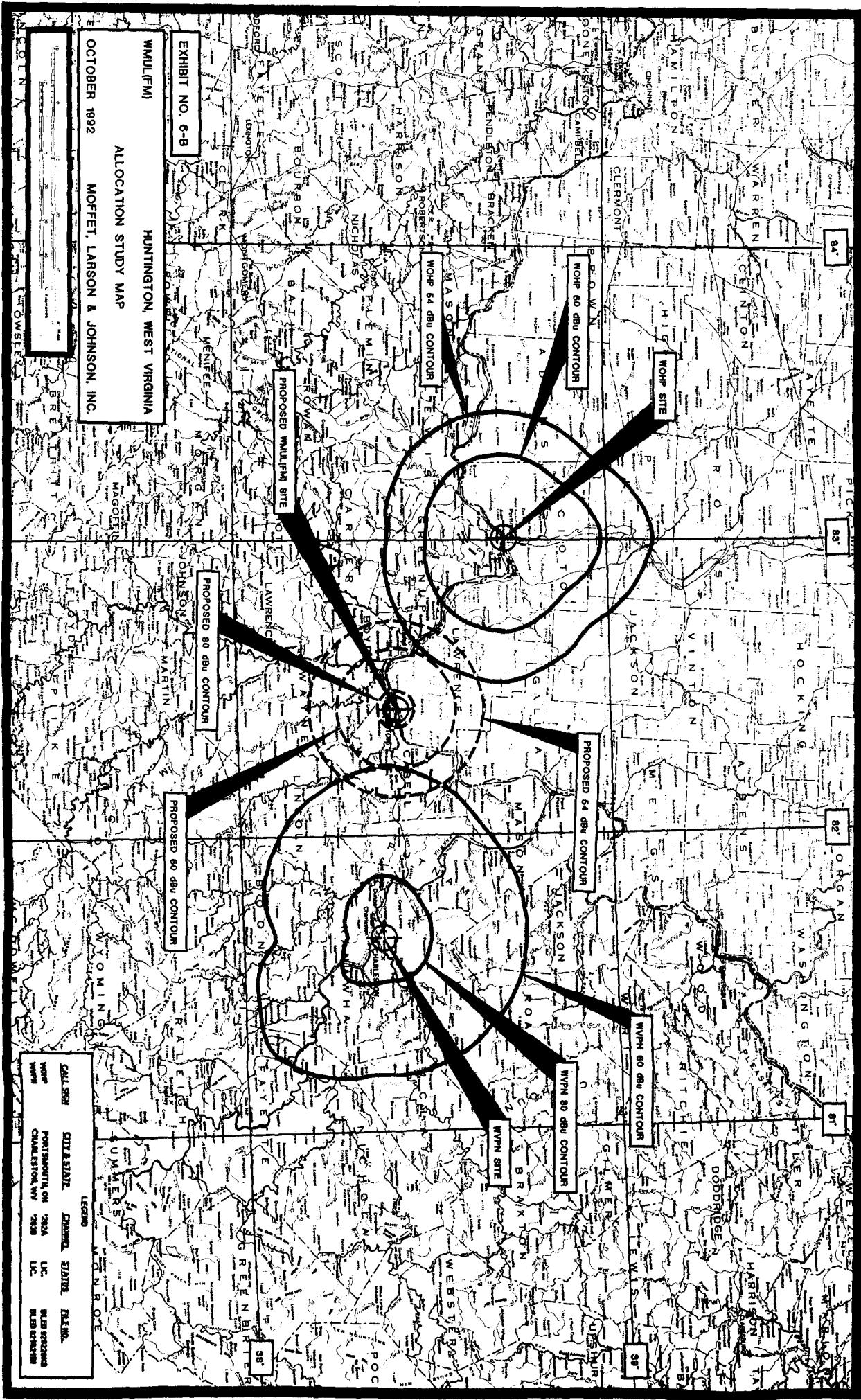


EXHIBIT NO. 6-B

WMUL(FM)

HUNTINGTON, WEST VIRGINIA

ALLOCATION STUDY MAP

OCTOBER 1992

MOFFET, LARSON & JOHNSON, INC.

LEGEND			
CALL SIGN	SITE STATUS	CARRIER	STATUS
WOP	POINT TO POINT	ON 762A	L.C.
WPN	CHANNEL	LESTON, WV 762B	L.C.
			ALSO SEE 22000
			ALSO SEE 22000



MOFFET, LARSON & JOHNSON, INC.
CONSULTING TELECOMMUNICATIONS ENGINEERS

Two Skyline Place
Suite 800

ENGINEERING REPORT

6203 Leesburg Pike
Falls Church, Virginia 22041

West Virginia Board of Trustees
Huntington, West Virginia

EXHIBIT 6-A

FURTHER RESPONSE TO PART 21 OF FCC FORM 340

Table 3 is a channel study of channel 201B1 from the proposed site. After a detail study of the stations shown on Table 3, it was concluded that the following stations would require further study:

1. WOHP(FM) - Portsmouth, Ohio; Channel 201A
2. WVPN(FM) - Charleston, West Virginia; Channel 203B

Since the application for Point Pleasant, West Virginia is considered to be mutually exclusive, it was not studied.

Attached, as Exhibit 7-B is a map showing the pertinent coverage and interference contours between the stations listed above and the proposed operation. It can be seen on Exhibit 6-B that the proposal will not create interference to, or receive interference from the facilities listed above.

Table 4 is a tabulation of distances for the proposed operation used in constructing Exhibit 6-B. The distances to the other facilities are on file with the FCC.

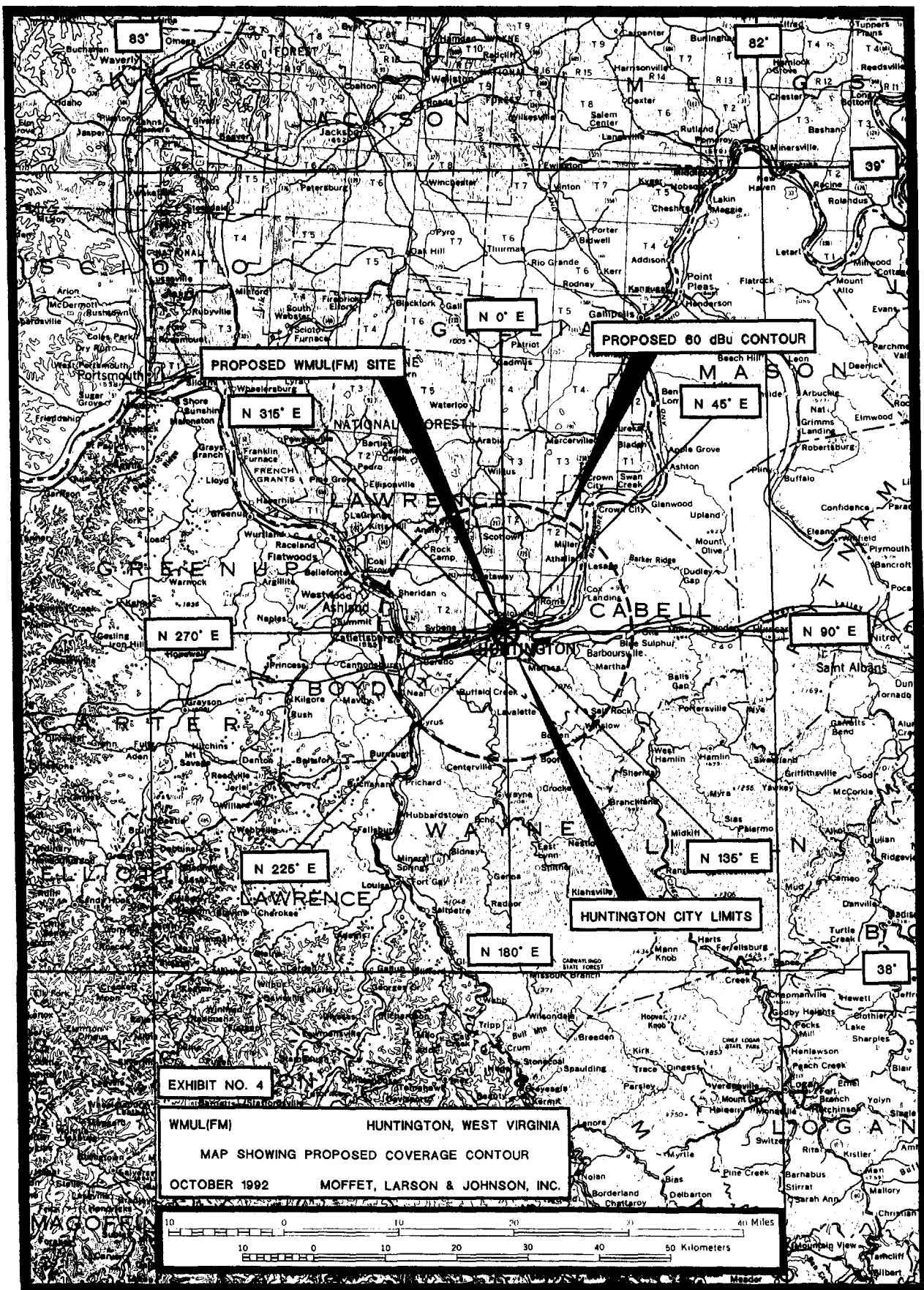
Moffet, Larson, & Johnson, Inc.

TABLE 3

Date: 10/21/92

Study Name : WMUL(FM) - HUNTINGTON, WV
 Channel : 201B1
 Coordinates : N 38 25 26.0 W 82 25 39.0
 Separations : FM Zone 1 - Educational

Call	City	&	State	Stat	File - number	Chan	ERP	HAAT	Zn	Latitude	Longitude	Bear	Dist	Req'd	Clear	Notes
--- kilometers ---																
WRFL	LEXINGTON		KY	LIC	BLED 880329KC	*201A	0.25	288	2	38	2	19.0	84	30	16.0	257.4 186.81 137.8* 49.05
WQRP	WEST CARROLLTON		OH	LIC	BLED 880928KC	*201A	1.60	288	1	39	42	59.0	84	15	24.0	312.9 213.65 137.8* 75.89
WQRP	WEST CARROLLTON		OH	CP	BPED 900629MR	*201A	4.00	295	1	39	42	59.0	84	15	24.0	312.9 213.65 137.8* 75.89
NEW	CLARKSBURG		WV	CP	BPED 911107MA	*201B	23.5	712	1	39	18	2.0	80	20	37.0	61.0 205.39 176.9* 28.53
WMUL	HUNTINGTON		WV	LIC	BLED 890914KA	*201A	1.15	-56	1	38	25	26.0	82	25	39.0	.0 .00 137.8*-137.76 SHORT c
NEW	POINT PLEASANT		WV	APP	BPED 920327MHI	*201A	3.00	295	1	38	50	49.0	82	7	50.0	28.6 53.61 137.8* -84.15 SHORT
WMRT	MARIETTA		OH	LIC	BLED 1479	*202B1	9.20	205	1	39	25	7.0	81	26	32.0	37.3 139.63 99.3* 40.33 Comment
WOHP	PORTSMOUTH		OH	LIC	BLED 920228KB	*202A	1.00	643	1	38	43	20.0	83	0	5.0	303.8 59.98 84.3* -24.35 SHORT
WVPN	CHARLESTON		WV	LIC	BLED 821021BI	*203B	50.0	298	1	38	22	32.0	81	39	25.0	94.3 67.53 65.2* 2.35 CLOSE
WXMF	MCARTHUR		OH	CP	BPH 890112MH	254A	3.00	328	1	39	14	49.0	82	28	10.0	357.7 91.44 12.0 79.44 Comment
WXMF	MCARTHUR		OH	APPM	BMPH 920102ID	254A	6.00	328	1	39	8	59.0	82	35	36.0	350.0 81.85 12.0 69.85 Comment
WTUN	POCOTALICO		WV	CPM	BMPH 900329ID	254A	3.00	328	1	38	23	48.0	81	38	38.0	92.3 68.51 12.0 56.51 Comment
WSIPFM	PAINTSVILLE		KY	LIC	BLH 891031KC	255C1	94.0	600	2	37	47	45.0	82	48	4.0	205.2 77.03 24.0 53.03 Comment





MOFFET, LARSON & JOHNSON, INC.
CONSULTING TELECOMMUNICATIONS ENGINEERS

Two Skyline Place
Suite 800

ENGINEERING REPORT

5203 Leesburg Pike
Falls Church, Virginia 22041

West Virginia Board of Trustees
Huntington, West Virginia

TABLE 4 (PAGE 1 OF 2)

DISTANCE TO PROPOSED CONTOURS

Maximum Effective Radiated Power 8.99 kW 9.54 dBk

Non-Directional Antenna

Antenna Radiation Center: 211. Meters AMSL

Bear Deg True	AE Meters	HAAT Meters	Ant Gain dB	ERP dBk	ERP kW	Distances to Contours (km)	
						80. dBu	60. dBu
0.0	243	-32 #	0.00	9.54	8.99	5.5	17.7
45.0	219	-8 #	0.00	9.54	8.99	5.5	17.7
90.0	191	20 #	0.00	9.54	8.99	5.5	17.7
94.3	182	29Z#	0.00	9.54	8.99	5.5	17.7
135.0	243	-32 #	0.00	9.54	8.99	5.5	17.7
180.0	234	-23 #	0.00	9.54	8.99	5.5	17.7
225.0	214	-3 #	0.00	9.54	8.99	5.5	17.7
270.0	198	13 #	0.00	9.54	8.99	5.5	17.7
303.8	239	-28Z#	0.00	9.54	8.99	5.5	17.7
315.0	242	-31 #	0.00	9.54	8.99	5.5	17.7

Average	223	-12					

Notes:

- Z Not Included in Average Elevation
- # Evaluated for a HAAT of 30.5 meters

West Virginia Board of Trustees
Huntington, West VirginiaTABLE 4 (PAGE 2 OF 2)DISTANCE TO PROPOSED CONTOURS

Maximum Effective Radiated Power 8.99 kW 9.54 dBk

Non-Directional Antenna

Antenna Radiation Center: 211. Meters AMSL

Bear Deg True	AE Meters	HAAT Meters	Ant Gain dB	ERP dBk	ERP kW	Distances to Contours (km)		
						54. dBu	48. dBu	40. dBu
0.0	243	-32 #	0.00	9.54	8.99	26.0	40.8	78.1
45.0	219	-8 #	0.00	9.54	8.99	26.0	40.8	78.1
90.0	191	20 #	0.00	9.54	8.99	26.0	40.8	78.1
94.3	182	29Z#	0.00	9.54	8.99	26.0	40.8	78.1
135.0	243	-32 #	0.00	9.54	8.99	26.0	40.8	78.1
180.0	234	-23 #	0.00	9.54	8.99	26.0	40.8	78.1
225.0	214	-3 #	0.00	9.54	8.99	26.0	40.8	78.1
270.0	198	13 #	0.00	9.54	8.99	26.0	40.8	78.1
303.8	239	-28Z#	0.00	9.54	8.99	26.0	40.8	78.1
315.0	242	-31 #	0.00	9.54	8.99	26.0	40.8	78.1
	223	-12						

Notes:

- Z Not Included in Average Elevation
Evaluated for a HAAT of 30.5 meters



MOFFET, LARSON & JOHNSON, INC.
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West Virginia Board of Trustees
Huntington, West Virginia

EXHIBIT 7-A

FURTHER RESPONSE TO PART 24 OF FCC FORM 340

Section 73.525(a)(1) of the FCC Rules defines a television Channel 6 Station affected by a non-commercial FM (NCE-FM) Channel 201 proposal as any station within 265 kilometers of the NCE-FM.

Table 5 lists all of the TV Channel 6 stations within 265 kilometers. It was determined that the proposed site falls outside all of the Grade B (47 dBu) contours of the stations listed on Table 5. FM Channel 201 is required to provide a 1.0 dB interference ratio. Therefore, a proposed FM interference contour of 48 dBu was employed towards the pertinent stations.

Attached, as Exhibit 7-B is a map which demonstrates the proposed 48 dBu contour will not overlap any of the pertinent TV Channel 6 stations.

Table 4 is a tabulation of distances for the proposed operation used in constructing Exhibit 7-B. The distances to the TV Channel 6 stations are on file with the FCC.

Moffet, Larson & Johnson, Inc.

TABLE 5

Date: 10/20/92

Study Name : WMUL - HUNTINGTON, WV

TV Stations within : 265 km

Coordinates : N 38 25 26.0 W 82 25 39.0

Call	Location	Status	Chan	File Number	ERP	HAAT	Zn	Latitude			Longitude			Bear	Dist	Owner/Applicant
WSYX	COLUMBUS, OH	LIC	6+	BLCT 2497	100.	530	1	40	1	2.0	83	1	11.0	344.12	184.13	ANCHOR MEDIA LTD.
WSYX	COLUMBUS, OH	APPM c	6+	BPCT 910211KG	100.	938	1	39	56	16.0	83	1	16.0	343.28	175.72	ANCHOR MEDIA LTD.
WVVA	BLUEFIELD, WV	LIC	6-	BMLCT 880106KJ	50.0	1220	1	37	15	21.0	81	10	55.0	139.51	169.79	DAILY TELEGRAPH PR